

Examining the Usability of a Data Teams Website

Ashley Padua-Alamida

Learning Design and Technology

University of Hawaii at Manoa

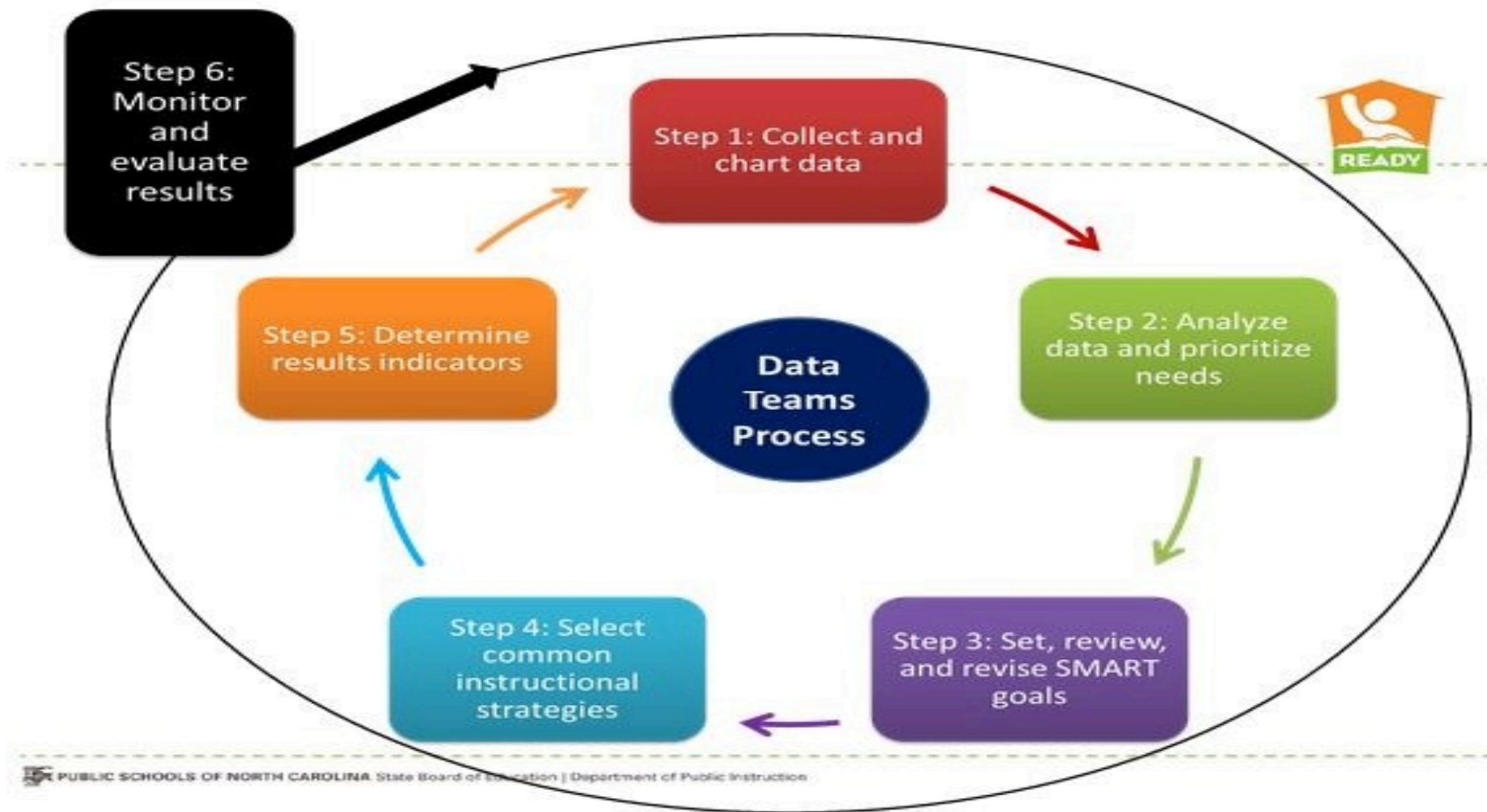
apadua@hawaii.edu



- Background
- Purpose
- Goal
- Design
- Methodology
- Results



Data Teams...Huh?



Teaching Today

- NCLB (2001)
- Educator Effectiveness System
- Student Learner Outcomes
- Student Performance Data



IMPROVE SUPPORT. IMPROVE PRACTICE. IMPROVE OUTCOMES.

Educator Effectiveness



Aliamanu Middle School (AMS)

- Public school on the island of Oahu
- Adopted the data team method in August 2013
- Core departments teams



Teams



- Meet weekly
- Develop common assessments (formative and summative)
- Discuss instructional strategies
- Collect and chart student performance data
- Discuss improvements

Usability Study



- **Evaluates** a product by testing it on a user.
- Designed to evaluate the **ease-of-use and navigation**.
- Websites allow users to **access information** in the fastest and **easiest** way possible.

Purpose

Examine the **ease-of-use** and **navigation** of a data team website at AMS.



Goal

Problem

Solution

No common housing



One common website

Packed binders



Electronic documents

Inaccessible



Easily accessible

Communication gap



Bridge communication
gap

Importance

- Classroom teacher
- English data team member (2013-2014)
- Social studies data team member (2014-2015)
- Focus task member (2014-2015)



Planning



- Personal experience as a data team member
- Feedback from weekly meetings
- Principal approval
- Wix

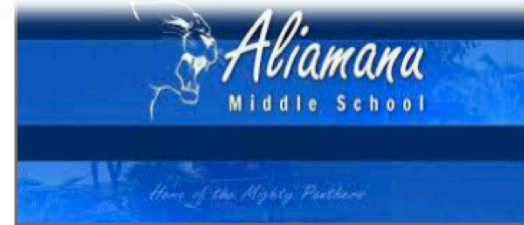
Design

- Key to use **black on white** or a close color combination of text to ensure that users **can easily read the text**.
- Separate department pages.
- Resource Page—data team process, Common Core Standards, and HCPS III.
- Private website—invitation only



Homepage

Aliamanu Middle School Data Teams

[Home](#)[Math](#)[English](#)[Social Studies](#)[Science](#)[Resources](#)[Contact](#)

Welcome!

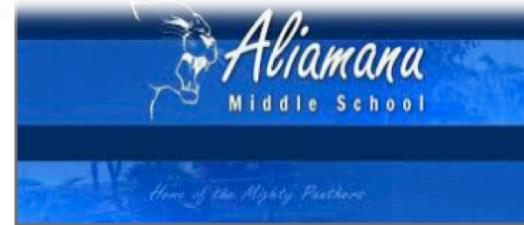
This website allows users to access student performance data, and common formative/summative assessments for each of the four core departments at Aliamanu Middle School.

In addition, this site provides teachers & administrators with resources regarding the Data Teams process, Common Core Standards, and Hawaii Content Performance Standards (HCPS III).



Homepage

Aliamanu Middle School Data Teams

[Home](#)[Math](#)[English](#)[Social Studies](#)[Science](#)[Resources](#)[Contact](#)

Welcome!

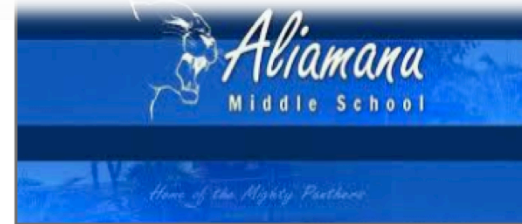
This website allows users to access student performance data, and common formative/summative assessments for each of the four core departments at Aliamanu Middle School.

In addition, this site provides teachers & administrators with resources regarding the Data Teams process, Common Core Standards, and Hawaii Content Performance Standards (HCPS III).



Homepage

Aliamanu Middle School Data Teams



Home

Math

English

Social Studies

Science

Resources

Contact

Welcome!

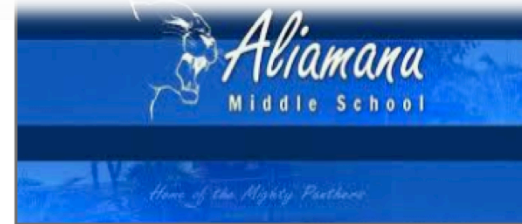
This website allows users to access student performance data, and common formative/summative assessments for each of the four core departments at Aliamanu Middle School.

In addition, this site provides teachers & administrators with resources regarding the Data Teams process, Common Core Standards, and Hawaii Content Performance Standards (HCPS III).



Homepage

Aliamanu Middle School Data Teams

[Home](#)[Math](#)[English](#)[Social Studies](#)[Science](#)[Resources](#)[Contact](#)

Welcome!

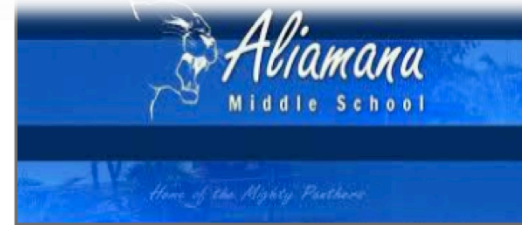
This website allows users to access student performance data, and common formative/summative assessments for each of the four core departments at Aliamanu Middle School.

In addition, this site provides teachers & administrators with resources regarding the Data Teams process, Common Core Standards, and Hawaii Content Performance Standards (HCPS III).



Homepage

Aliamanu Middle School Data Teams

[Home](#)[Math](#)[English](#)[Social Studies](#)[Science](#)[Resources](#)[Contact](#)

Welcome!

This website allows users to access student performance data, and common formative/summative assessments for each of the four core departments at Aliamanu Middle School.

In addition, this site provides teachers & administrators with resources regarding the Data Teams process, Common Core Standards, and Hawaii Content Performance Standards (HCPS III).



Resource Page



This video explains the Data Teams process.



Data Teams Process

[Click Here](#)

Common Core

[Click Here](#)



COMMON CORE
STATE STANDARDS INITIATIVE

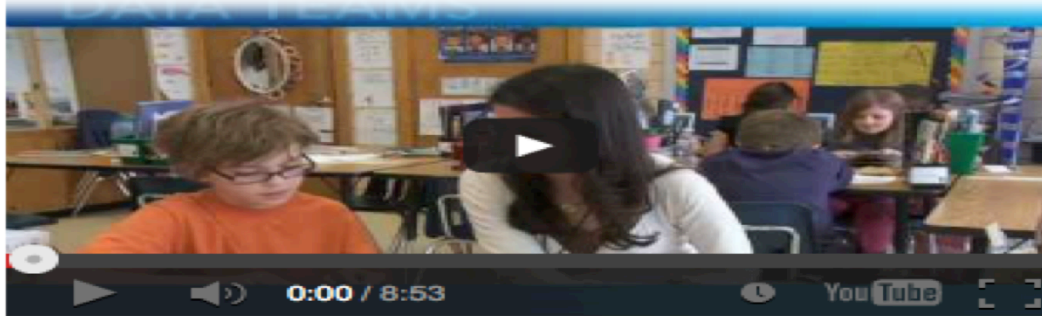
PREPARING AMERICA'S STUDENTS FOR COLLEGE & CAREER



Department of
Education HCPS III

[Click Here](#)

Resource Page



This video explains the Data Teams process.



Data Teams Process

[Click Here](#)

Common Core

[Click Here](#)



COMMON CORE
STATE STANDARDS INITIATIVE

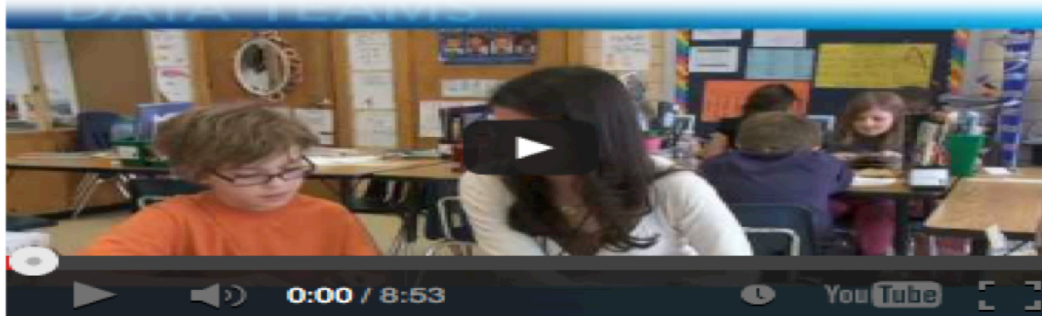
PREPARING AMERICA'S STUDENTS FOR COLLEGE & CAREER



Department of
Education HCPS III

[Click Here](#)

Resource Page



This video explains the Data Teams process.



Data Teams Process

[Click Here](#)

Common Core

[Click Here](#)



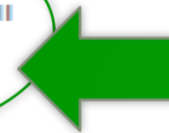
COMMON CORE
STATE STANDARDS INITIATIVE

PREPARING AMERICA'S STUDENTS FOR COLLEGE & CAREER



Department of
Education HCPS III

[Click Here](#)



Audience



- 10 Participants:
 - AMS data team members
 - Data team leaders (SMEs)
 - Technology coordinator
 - Administrators—principal and vice principal

Analysis

- Pre-survey
- Google Hangouts on Air
- Task completion
- Post-survey



Tasks

1. **Locate and download** an 8th grade English common formative assessment for Quarter 2.
2. **Locate and download** a 7th grade social studies student performance data.
3. Using this website, how would you go about **finding information** regarding the data teams process.
4. **Locate and watch** a video regarding the data teams process.

Task Completion

Expected

Task 1	Task 2	Task 3	Task 4
24sec.	36sec.	5sec.	6sec.

Actual (average)

Task 1	Task 2	Task 3	Task 4
1min. 4sec.	54sec.	8sec.	12sec.

*All tasks were successfully completed

Findings

- Trouble downloading items
- Couldn't access resource video
- Participants didn't understand usability process

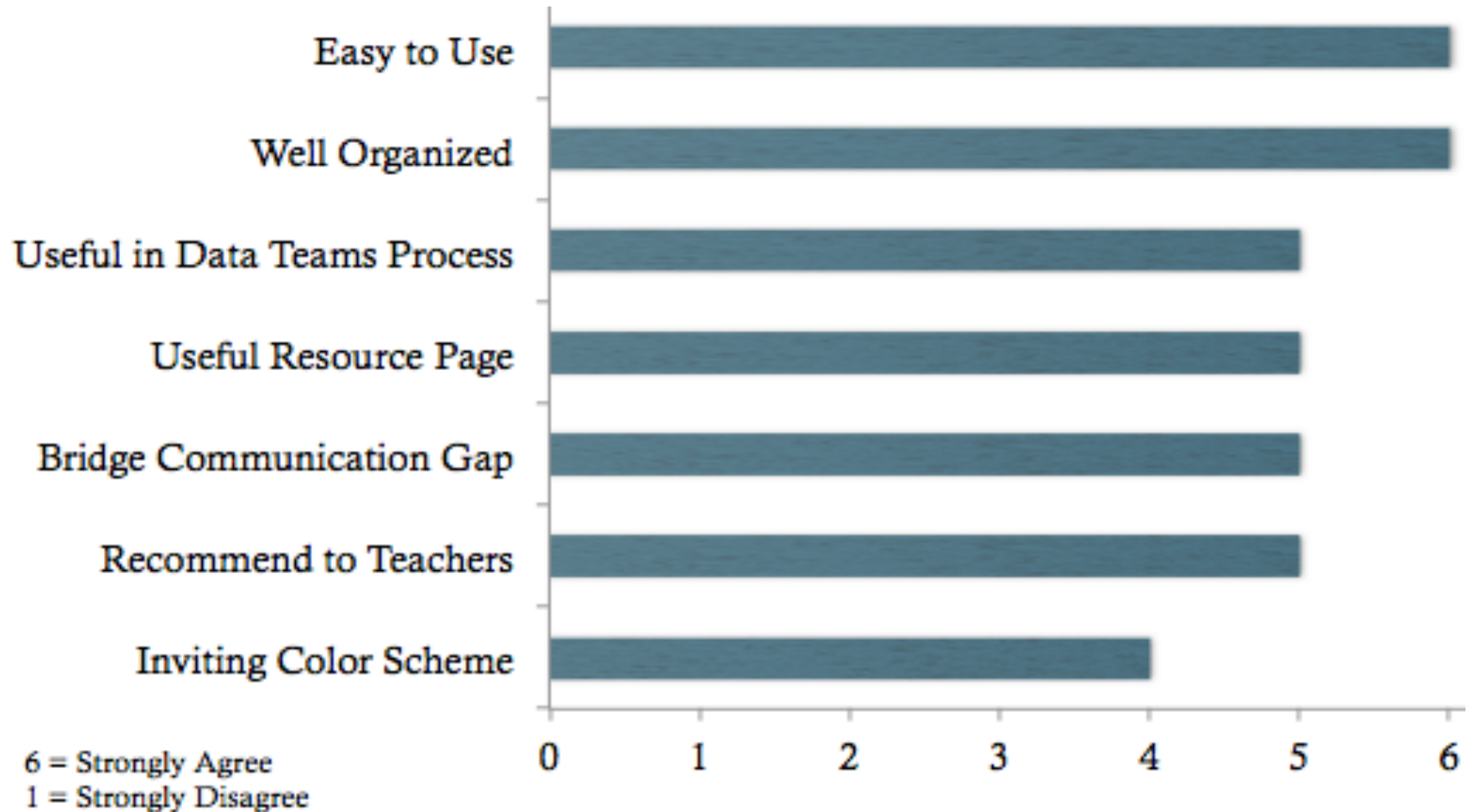


Web Page Blocked

Access to the web page you were trying to visit has been blocked in accordance with DOE policy.

Please contact your system administrator if you believe this message was received in error.

Post-Survey Results



Feedback



- Well organized
- Layout is easy to use and navigate
- Resource page is very useful
- Accessible

Suggestions

Revisions

Color!



Larger font



Link to AMS
website



AMS Mission
Statement



Calendar



Suggestions

Revisions

Color!



✓ Dark blue font

Larger font



Link to AMS
website



AMS Mission
Statement



Calendar



Suggestions

Color!



Larger font



Link to AMS
website



AMS Mission
Statement



Calendar



Revisions

✓ Dark blue font

✓ From 18 to 22pt

Suggestions

Color!

Larger font

Link to AMS
website

AMS Mission
Statement

Calendar



Revisions

✓ Dark blue font

✓ From 18 to 22pt

✓ Resource page and AMS
banner

Suggestions

Color!



Larger font



Link to AMS
website



AMS Mission
Statement



Calendar



Revisions

✓ Dark blue font

✓ From 18 to 22pt

✓ Resource page and AMS
banner

✓ Home page

Suggestions

Color!



Larger font



Link to AMS
website



AMS Mission
Statement



Calendar



Revisions

✓ Dark blue font

✓ From 18 to 22pt

✓ Resource page and AMS
banner

✓ Home page

✗ Google Docs and Lotus
Notes Calendars

Before

Aliamanu Middle School Data Teams

[Home](#)[Math](#)[English](#)[Social Studies](#)[Science](#)[Resources](#)[Contact](#)

Welcome!

This website allows users to access student performance data, and common formative/summative assessments for each of the four core departments at Aliamanu Middle School.

In addition, this site provides teachers & administrators with resources regarding the Data Teams process, Common Core Standards, and Hawaii Content Performance Standards (HCPS III).



After

Aliamanu Middle School Data Teams

[Home](#)[Math](#)[English](#)[Social Studies](#)[Science](#)[Resources](#)[Contact](#)

Welcome!

This website allows users to access student performance data, and common formative/summative assessments for each of the four core (math, English, social studies, and science) departments at Aliamanu Middle School.

In addition, this site provides teachers & administrators with resources regarding the Data Teams process, Common Core Standards, and Hawaii Content Performance Standards (HCPS III).



School Mission Statement: Aliamanu Middle School is a community of learners focusing on life skills and academic standards to meet the challenges of the 21st century. The mission of Aliamanu Middle School is to prepare students to become lifelong learners and responsible citizens through a positive, quality learning environment.

Aliamanu Middle School

Data Teams

[Home](#)[Math](#)[English](#)[Social Studies](#)[Science](#)[Resources](#)[Contact](#)

Welcome!

This website allows users to access student performance data, and common formative/summative assessments for each of the four core (math, English, social studies, and science) departments at Aliamanu Middle School.

In addition, this site provides teachers & administrators with resources regarding the Data Teams process, Common Core Standards, and Hawaii Content Performance Standards (HCPS III).



School Mission Statement: Aliamanu Middle School is a community of learners focusing on life skills and academic standards to meet the challenges of the 21st century. The mission of Aliamanu Middle School is to prepare students to become lifelong learners and responsible citizens through a positive, quality learning environment.



Aliamanu Middle School Website

This website provides basic information on Aliamanu Middle School and its curriculum.

[Click Here](#)

(located on the resource page)

(AMS Banner, located on each page)

Aliamanu Middle School Data Teams



[Home](#) [Math](#) [English](#) [Social Studies](#) [Science](#) [Resources](#) [Contact](#)

Welcome!

This website allows users to access student performance data, and common formative/summative assessments for each of the four core (math, English, social studies, and science) departments at Aliamanu Middle School.

In addition, this site provides teachers & administrators with resources regarding the Data Teams process, Common Core Standards, and Hawaii Content Performance Standards (HCPS III).



School Mission Statement: Aliamanu Middle School is a community of learners focusing on life skills and academic standards to meet the challenges of the 21st century. The mission of Aliamanu Middle School is to prepare students to become lifelong learners and responsible citizens through a positive, quality learning environment.

Obstacles

- DOE blocks YouTube
- Cognitive narratives



Obstacles

- DOE blocks YouTube →
 - Cognitive narratives →
- ✓ Addressed and corrected



Obstacles

- DOE blocks YouTube → ✓ Addressed and corrected
- Cognitive narratives →
- Converting materials to electronic documents



Obstacles

- DOE blocks YouTube → ✓ Addressed and corrected
- Cognitive narratives →
- Converting materials to electronic documents
- Using Wix



Goal

Problem

Solution

No common housing



✓ One common website

Packed binders



Electronic documents

Inaccessible



Easily accessible

Communication gap



Bridge communication gap

Goal

Problem

Solution

No common housing



One common website

Packed binders



✓ Electronic documents

Inaccessible



Easily accessible

Communication gap



Bridge communication gap

Goal

Problem

Solution

No common housing



One common website

Packed binders



Electronic documents

Inaccessible



✓ Easily accessible

Communication gap



Bridge communication gap

Goal

Problem

Solution

No common housing



One common website

Packed binders



Electronic documents

Inaccessible



Easily accessible

Communication gap



✓ Bridge communication gap

What Now?



- Great feedback from principal
- Fully implemented next school year
- Working with teams to upload revised assessments and data



Thank you for joining me tonight!

Questions?